



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ @P 523269

AGENCY REVIEW: _____ DATE 9/7/05

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- ☒ CONSTRUCT NEW SEPTIC SYSTEM(S)
☐ REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
☐ REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- ☒ NEW STRUCTURE(S)
☐ ADDITION TO AN EXISTING STRUCTURE
☐ REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- ☒ CREATE NEW LOT(S)
☐ BUILD ON AN EXISTING LOT IN A SUBDIVISION
☐ BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- ☐ YES
☒ NO

THE TYPE OF STRUCTURE IS:

- ☒ RESIDENTIAL WITH 4705 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
☐ COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
☐ INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) MRS. WILLIAM A. SCHULTE

DAYTIME PHONE 410 443-367-0422 CELL _____ FAX 443-367-0420

MAILING ADDRESS 5300 DORSEY HALL DR. ELLICOTT CITY, MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT LAND DESIGN & DEVELOPMENT LLC

DAYTIME PHONE 443-367-0422 CELL _____ FAX 443-367-0420

MAILING ADDRESS 5300 DORSEY HALL DR #102 ELLICOTT CITY, MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME SCHULTE PROPERTY NORTH SIDE LOT NO. 27

PROPERTY ADDRESS 15320 OLD FREDERICK RD WOODBINE MD 21797
STREET AT MORGAN STATION ROAD TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID 223 PARCEL(S) 8217 PROPOSED LOT SIZE 40,000 sq ft

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H

REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

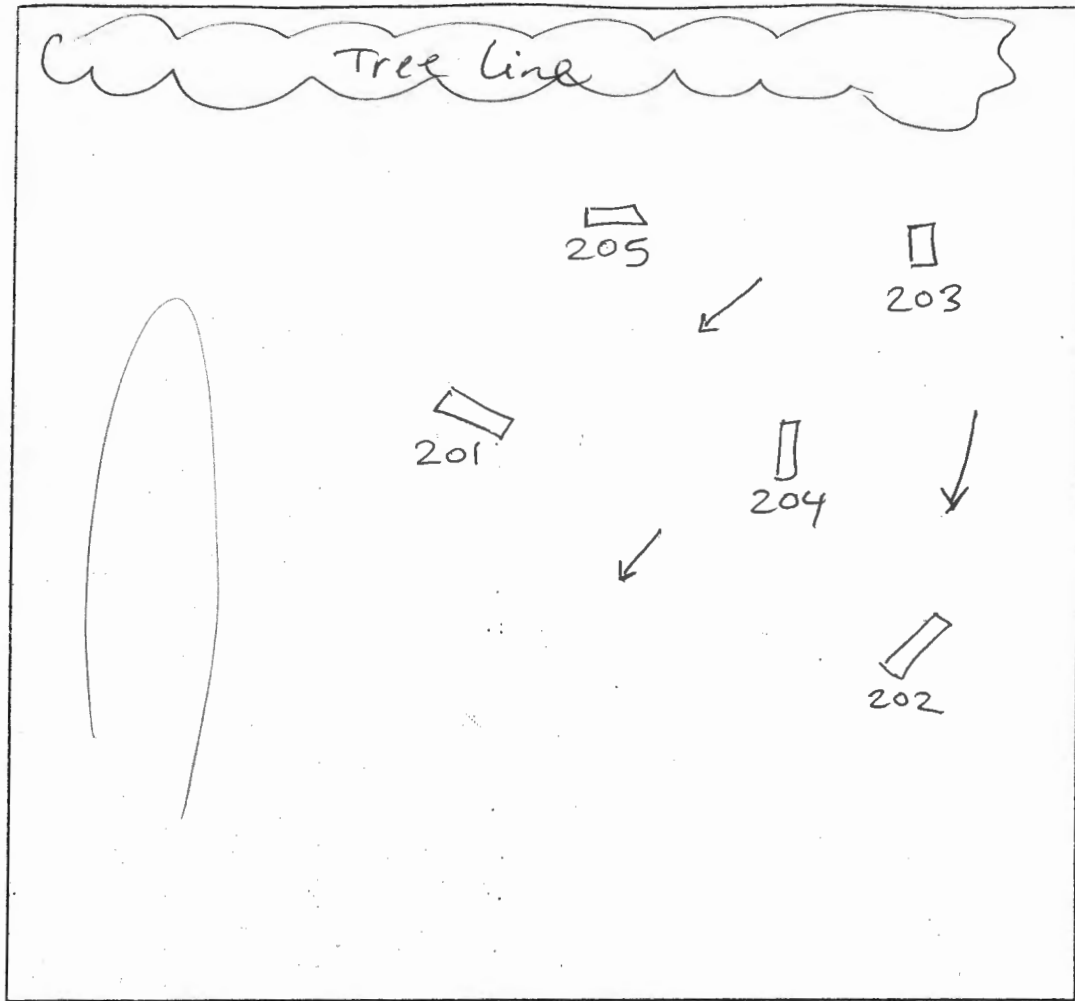
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

old Fredrick Rd

lot 26

Tree Line



203

brown L
sbk
pale brown
dense sil
sg
5% chert
micaceous

e bottom
chert
10% coarse
chert

204

brown L
sbk
pale brown
w/ light red
dense sil
micaceous
pale brown
sil sg
micaceous
5-10% chert

@ bottom
coarse chert

202

brown L
sbk
brown
dense sil
bk / sg
light red
sil sg
brown
sil sg
micaceous
5% chert
10% coarse
chert

201

brown L
brown
sbk
sil
dense sil
micaceous
brown
sil sg
micaceous
10-15%
chert throughout
profile

@ bottom
10% coarse
chert

205

brown L
reddish
yellow
sil
dense sil
sbk
5% chert
pale brown
sil sg
micaceous
10% chert
coarse
chert

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/17/05	201	5' / 9'	9:36 ³⁰	9:38 ¹⁸	9:41 ⁵⁸	3	P
	205	5' / 12'5"	9:50 ⁰⁷	9:55	10:04 ³⁴	9	P
	203	5' / 11'	9:52 ³⁵	9:56	10:03 ¹³	7	P
	204	10'		visual		ok	P
	202	11'5"		visual		ok	P

REMARKS

Holes dug per plan and staked by surveyors

SANITARIAN

SF

BACKHOE

M. Johnson (AEC)

OTHERS

R. Webster

TEST HOLES USED IN SDA

AVG. PERC TIME

6

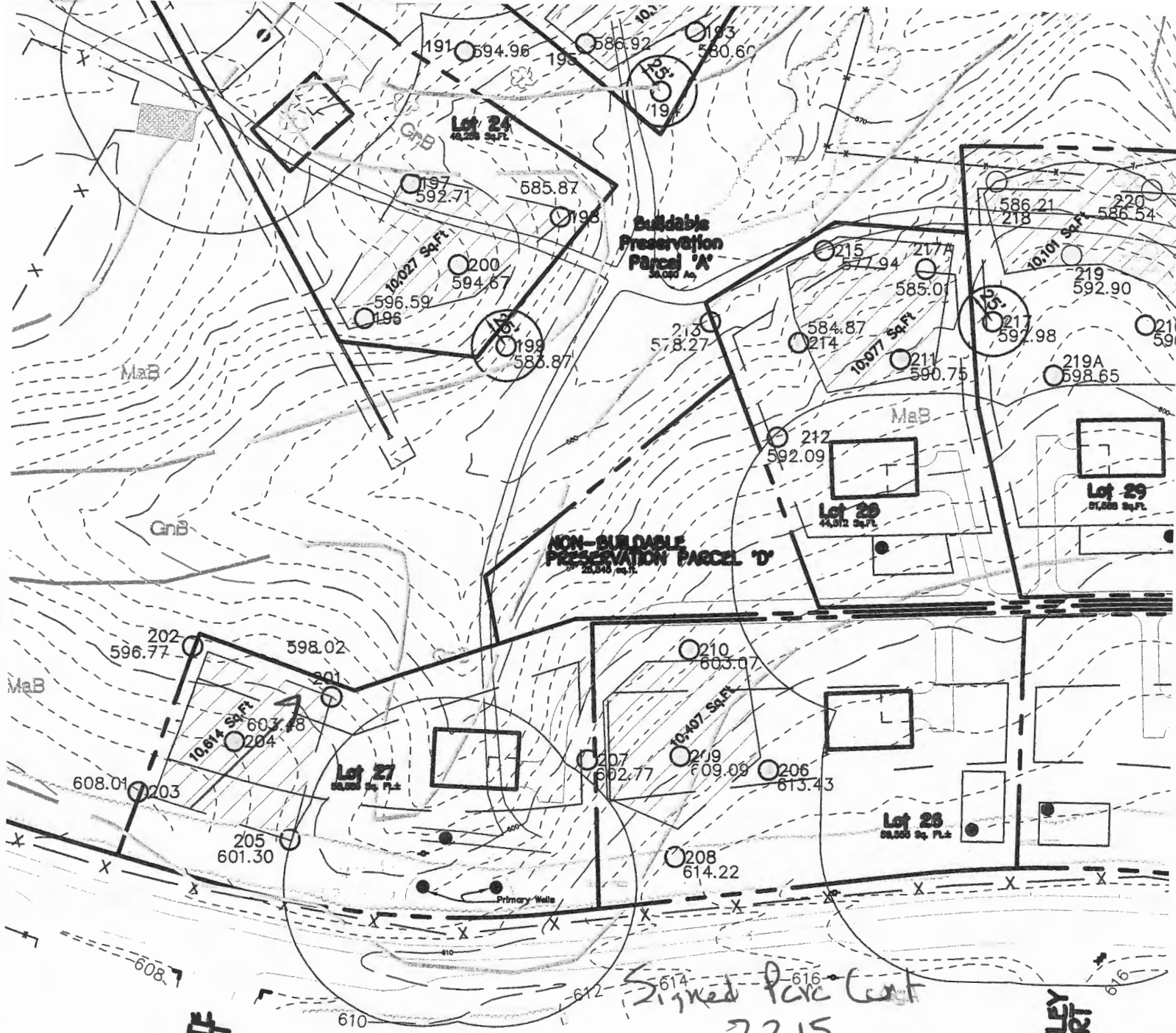
SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE S/W



ADGATE COURT

CARTLEY COURT

OLD FREDERICK ROAD
(MAJOR COLLECTOR)

OWNER AND DEVELOPER
MR. AND MRS. WILLIAM SCHULTE
15320 OLD FREDERICK ROAD
WOODBINE, MARYLAND 21797

based on field locations done under my
of my professional knowledge and belief.

[Signature]

Date 6/26/15

lo. 10692 Exp. 12/13/15

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT.

[Signature] for Maureen Rossman
COUNTY HEALTH OFFICER

[Signature]

March 1, 2019

Mr. Jeff Williams
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, Maryland 21045

Re: Fairlane Farms: Lot 27
Waiver Request

Dear Mr. Williams,

We are requesting a variance for Lot 27, in regards to the front yard slope between the house and the septic tanks to be greater than 25%. 5 risers are now shown at the front porch to lower the grade as much as possible. Since the house drainage is being collected into a roof leader piping system (and being conveyed to the proposed SWM bioretention facility in the open space adjacent to the lot), the amount of surface drainage flowing overland in the area between the house and the proposed septic tank locations is very minimal (about 1120 sq. ft.). Therefore any concern with erosion would be minimized. We request this variance from the 25% slope that is desired by the Health Dept. be acceptable so that a retaining wall can be avoided or an inordinate amount of steps at the front porch.

Thank you for your consideration of this request.

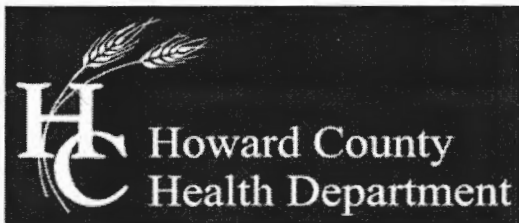
Sincerely,

approved
5/21/19

DocuSigned by:
Joseph S. Choi 3/13/2019
4228301D0068441...

Homebuyer of Lot 27 (15215 Torino Way)

WO #05106-3003



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Fairlane Farm Lot: 27

Initial system: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 7

1st Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 6

2nd Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 5

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is $2D + W$ up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Hank Oswald Date: 2/2/17

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

Transmittal

Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

Frank Manalansan II, L.S.
Stephanie Tuite, RLA, P.E., LEED AP BD&C

Via: ☐ Fax ☐ Mail ☐ Messenger ☐ E-Mail ☒ To Be Picked Up
☐ Fax (original to follow via U.S. Mail)

To: **Bureau of Environmental Health**
8930 Stanford Blvd
Columbia, MD 21046-4544

Attn: **Jeff**
Fax: **(410) 313-2648**
Phone: **(410) 313-2640**

From: **Tony Fertitta**

CC:

Re: **Lot 27**

W.O.# **05106**

Date: **February 9, 2017**

Pages: **4** **Page(s) Including this cover**

We are forwarding: ☒ Prints ☐ Copy of Letter ☐ Specifications ☐ Shop drawings ☐ Other
☐ Urgent ☐ For your use ☐ As requested ☐ For Review & Comment

Remarks:

Jeff:

Enclosed please find Two (2) prints of the drawing entitled " Percolation Certification Plan- Schulte Property Lot 27 Along with new well exhibits" dated February 8, 2017.

If we may be of any further assistance, please do not hesitate to call.

Very truly yours,



CONFIDENTIALITY NOTICE

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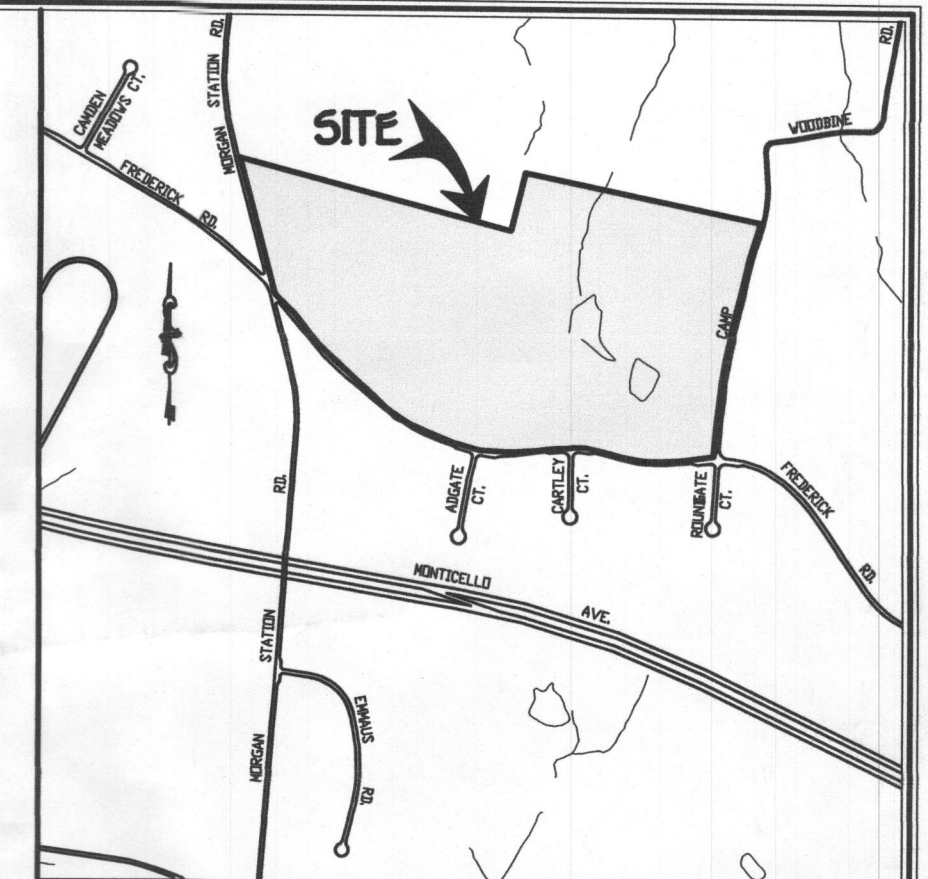
LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- MIC3 SOIL LINES AND TYPES
- MIB2
- 182 DENOTES PASSED PERC
- DENOTES PROPOSED HOUSE
- DENOTES 25% AND GREATER SLOPE
- DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE
- ⊙ DENOTES PROPOSED 3 ALT WELL SITE

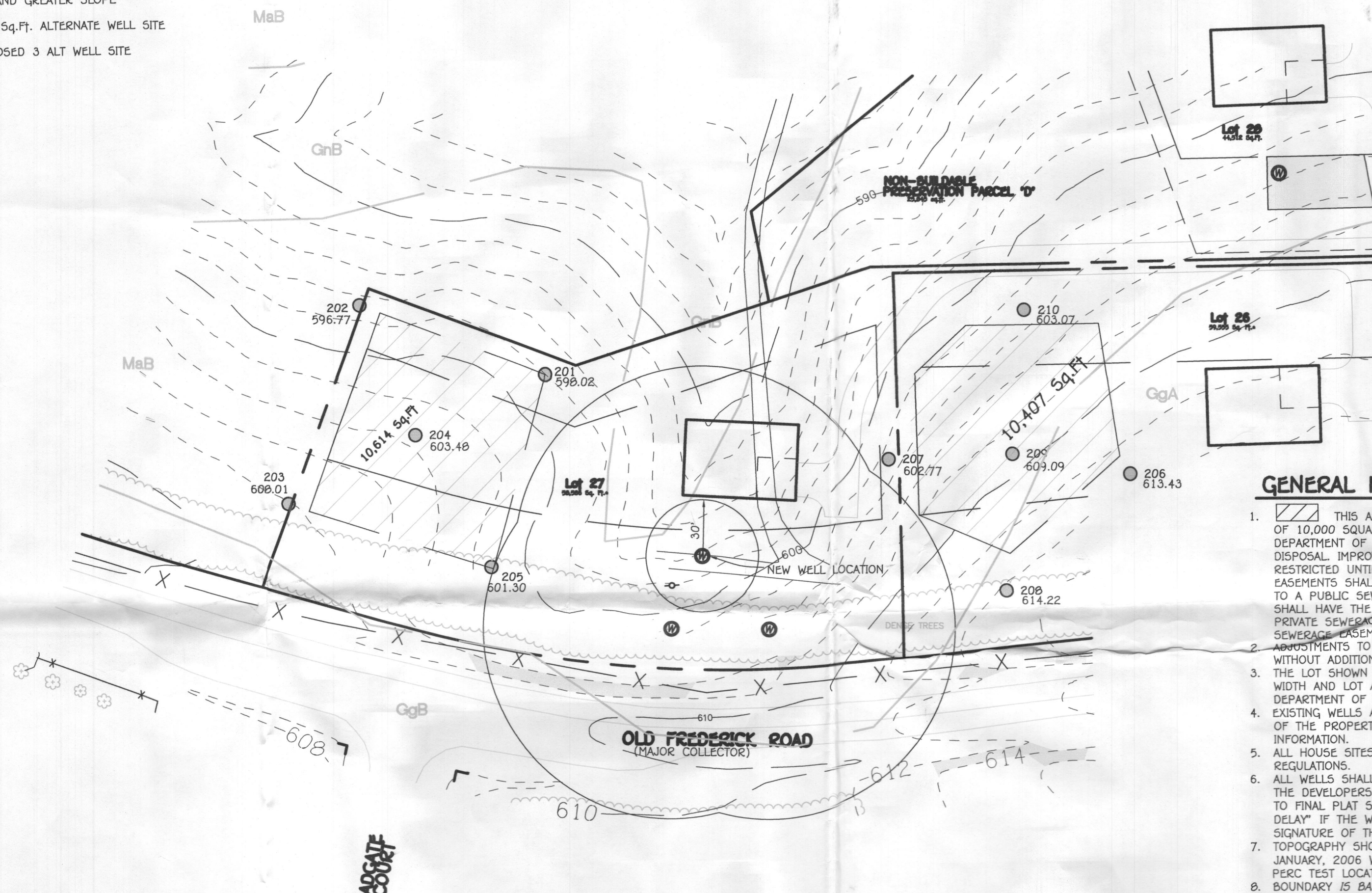
SOILS LEGEND

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
GnB	Glenville-Baile silt loams, 0 to 8 percent slopes	C
MaB	Manor loam, 3 to 8 percent slopes	B

SOIL TYPES TAKEN FROM MAP 19 OF THE SOIL SURVEY OF HOWARD COUNTY, MARYLAND FOUND ON THE HSCD WEBSITE.



VICINITY MAP
SCALE : 1" = 1200'



GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- TOPOGRAPHY SHOWN IS FROM HARFORD AERIAL CONTOUR MAPPING FLOWN ON JANUARY, 2006 WITH FIELD SURVEYED VERIFICATION ON VERTICAL ELEVATIONS ON PERC TEST LOCATIONS.
- BOUNDARY IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT APRIL 4, 2013 BY FISHER, COLLINS AND CARTER, INC.
- DEED REFERENCE LIBER 385 FOLIO 193 AND LIBER 352 FOLIO 176.
- GROUND WATER APPROPRIATION PERMIT SHALL BE OBTAINED PRIOR TO HEALTH APPROVAL OF WELL PERMITS.

PERC CERTIFICATION
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor
Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/17

2/8/17 Date

THE PURPOSE OF THIS PLAN IS TO MOVE 1 ALT. WELL SITE 5'.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

Signature for Monica Roseman
COUNTY HEALTH OFFICER

2/22/2017 Date

OWNER AND DEVELOPER
MR. AND MRS. WILLIAM SCHULTE
15320 OLD FREDERICK ROAD
WOODBINE, MARYLAND 21797

PERC RECERTIFICATION PLAT
SCHULTE PROPERTY
LOT 27

TAX MAP #8 PARCELS: 8 & 17 GRID5: 2 AND 3
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' ZONING: RC-DEO DATE: FEBRUARY 8, 2017 A#523269

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2255

LEGEND

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- EXISTING TREE LINE
- MIC3 SOIL LINES AND TYPES
- MIB2 DENOTES PASSED PERC
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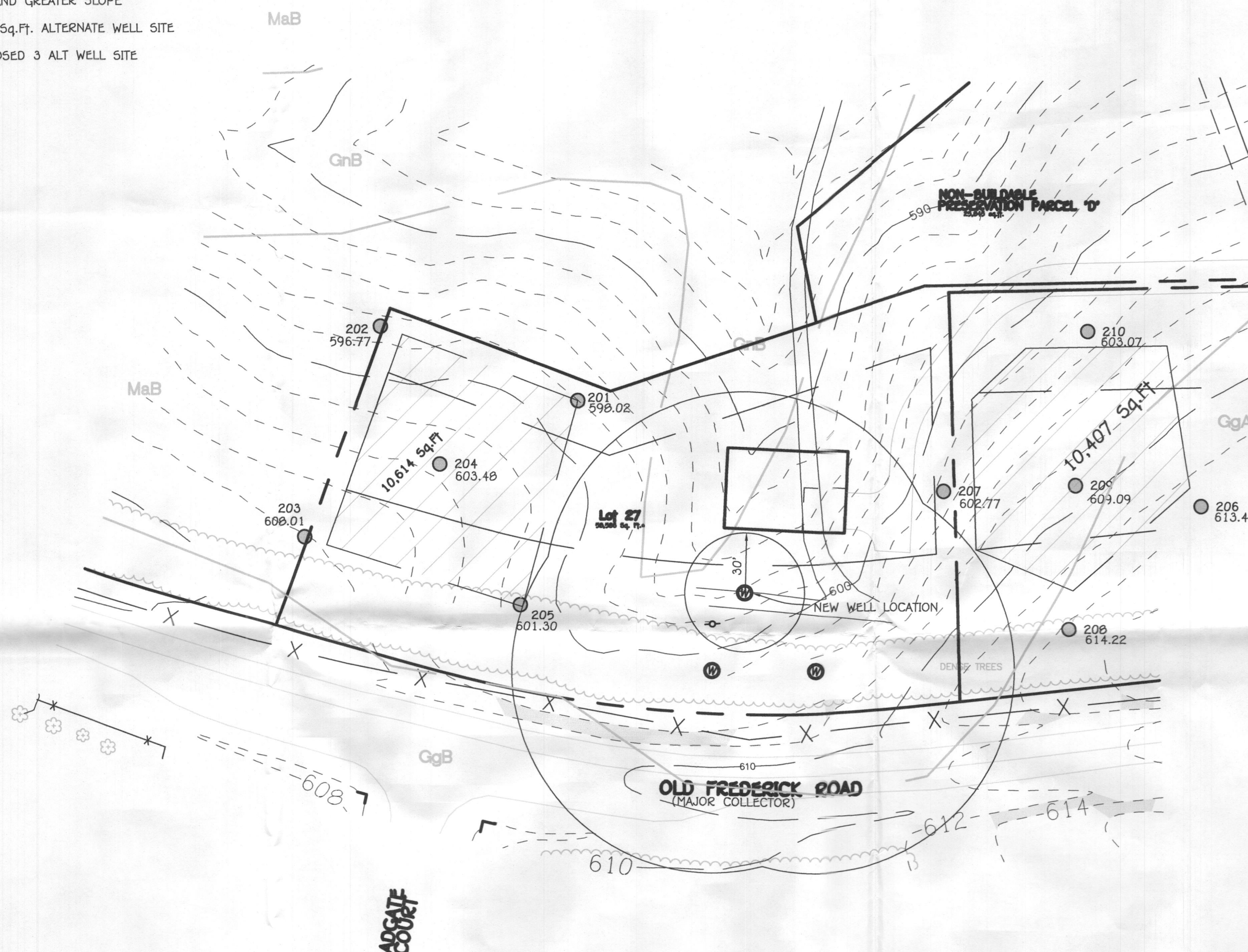
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PERC CERTIFICATION
I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Engineer
Terrell A. Fisher, Professional Engineer, No. 10692 Expires 12/13/17

2/8/17
Date

THE PURPOSE OF THIS PLAN IS TO MOVE 1 ALT. WELL SITE 5'.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

Signature of County Health Officer
COUNTY HEALTH OFFICER

2/22/2017
DATE

OWNER AND DEVELOPER

MR. AND MRS. WILLIAM SCHULTE
15320 OLD FREDERICK ROAD
WOODBINE, MARYLAND 21797

PERC RECERTIFICATION PLAT SCHULTE PROPERTY LOT 27

TAX MAP #8 PARCELS: 8 & 17 GRIDS: 2 AND 3
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' ZONING: RC-DEO DATE: FEBRUARY 8, 2017 A#523269

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CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELIJAH CITY, MARYLAND 21042
(410) 461 - 2895